

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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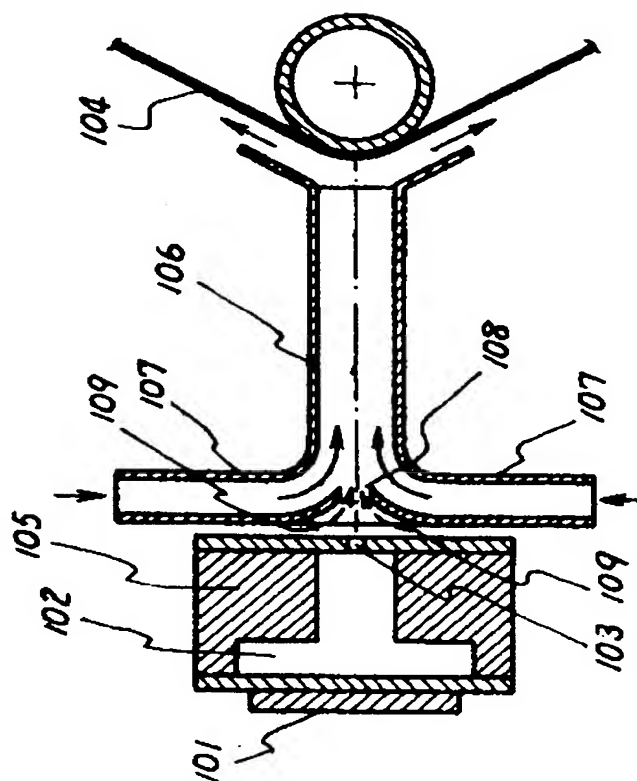
APPLICATION DATE : 22-03-79  
APPLICATION NUMBER : 54033747

APPLICANT : NEC CORP;

INVENTOR : TSUZUKI MITSUO;

INT.CL. : B41J 3/04

TITLE : INK-JET TYPE RECORDING DEVICE



ABSTRACT : PURPOSE: To stabilize the separation of ink drips and to rectify the difference in jetting velocity caused by the weight of ink drips by providing an airflow route surrounding a space through which ink drips fly.

CONSTITUTION: The air sent in a flow route 106 by a guiding means 107 flows through the route 106, forming almost laminar flow, and finally blows out of an aperture between a recording medium 104 and the route 106 outside. The wind velocity in the route is regulated to be equal to the maximum jetting velocity of ink drips jetting out of a nozzle 103. In the guiding means an opening 108 is provided so as for ink drips to fly into the airflow in the route 106. At the opening 108, the airflow inside the route is in contact with the outer air, while it spreads into the air along the recording body. Therefore, the difference in pressure between the inside and outside of the route causes the airflow from the outer air into the flow route, thereby the flying of ink between the nozzle and the aperture being stabilized.

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